Title: DC2-STN Macro Zero Override
Products(s): DC2-STN
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Summary
Macro zero, the auto-start macro, is run by the DC2-STN at power up. During the
development of an auto-start macro, it’s possible to issue a command or sequence of
commands that cause the motion controller to lock up. An override feature has been
added that forces the DC2-STN to skip execution of Macro zero, allowing the user to
take control of the unit via the RS232 Port.

More Information
Macro zero is run automatically by the DC2-STN100 immediately following a reset. A
reset is generated by a power on condition, by having the user press the front panel
reset switch, or by issuing a reset command. If a reset instruction is inadvertently placed
in macro zero, the unit will be put into an endless loop of resetting itself. At this point the
front panel Reset switch and Communication with the RS232 Port are locked out,
rendering the DC2-STN100 useless. The sequence of events are as follows:

- Power Up
- Macro zero called
- Macro zero issues Reset
- Unit is reset calling
  Macro zero, etc.

Starting with Firmware Revision 1.3.a, the user can override macro zero on power up.
The DC2-STN has a push button Network Address ID selector on the front panel. If the
ID is set to ‘9’ at power up, macro zero will not be called and the unit will for wait for
instruction from the RS232 Port. The user can then view the faulty macro zero by
issuing a TM (Tell Macro) via a terminal emulator or the WinControl program.